

MATERIAL DECLARATION SHEET



Material Number	PF-HT1 Series (6~12A)			
Product Line	Power Fuses			
Compliance Date	2022/03/01			
RoHS Compliant	Yes	MSL	1	

No.	Construction Element(subpart)	Homogeneous Material	Material weight [g]	Homogeneous Material Substances	CASRN if applicable	Materials Mass %	Material Mass % of total unit wt.	Subpart mass of total wt. (%)
1	Fuse element wire	Silver	0.029	Silver	7440-22-4	100%	0.32%	0.319%
2	Inner cap-base	Copper	0.9016	Copper	7440-50-8	100%	9.92%	9.922%
3	Inner cap-plating	Tin plating	0.0184	Tin	7440-31-5	100%	0.20%	0.202%
4	Outer cap-base	Copper	2.3316	Copper	7440-50-8	100%	25.66%	25.658%
5	Outer cap-plating	Nickel plating	0.0684	Nickel	7440-02-0	100%	0.75%	0.753%
6	Ceramic tube	Ceramic	4.29	Silicon dioxide	14808-60-7	53.74%	25.37%	47.209%
				Aluminum oxide	1344-28-1	34.48%	16.28%	
				Magnesium oxide	1309-48-4	10.32%	4.87%	
				Misc., not to declare	-	1.46%	0.69%	
7	Quartz sand	Silica sand	0.655	Tridymite silica	15468-32-3	100%	7.21%	7.208%
8	Solder	SnCu solder	0.114	Tin	7440-31-5	96.3%	1.20%	1.254%
				Copper	7440-50-8	2.3%	0.03%	
				Rosin	8050-09-7	1.4%	0.02%	
9	Low melting point alloy	SnCu solder	0.0047	Tin	7440-31-5	97.7%	0.049%	0.052%
				Copper	7440-50-8	0.7%	0.000%	
				Rosin	8050-09-7	1.6%	0.001%	

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No.	Construction Element(subpart)	Homogeneous Material	Material weight [g]	Homogeneous Material Substances	CASRN if applicable	Materials Mass %	Material Mass % of total unit wt.	Subpart mass of total wt. (%)
10	Paper	Paper	0.05	Silicified Microcrystalline Cellulose	9004-34-6	5.25%		0.550%
				Cellulose	65996-61-4	89.5%		
				Misc., not to declare	--	5.25%		
11	Marking Ink	Marking ink (dry)	0.0006	Synthetic epoxy resin	25068-38-6	40.1%		0.007%
				Pigment	Confidential			
				Pigment-carbon black	1333-86-4	17.9%		
				Pigment-titanium dioxide	13463-67-7			
				Polyamide Resin	68410-23-1	38.8%		
				Polydimethylsiloxane	63148-62-9	3.2%		
14	Terminal-base	Copper	0.5928	Copper	7440-50-8	100%	6.52%	6.523%
15	Terminal-plating	Tin plating	0.0312	Tin	7440-31-5	100%	0.34%	0.343%
		Total Weight	9.0873					

This Document was updated on: 2022/03/01

Important remarks: It is the responsibility of the user to verify they are accessing the latest version.